

Title (en)  
Flux-contained welding wire

Title (de)  
Flussmittelkerndraht zum Schweißen

Title (fr)  
Fil à âme de flux pour le soudage

Publication  
**EP 1277538 A1 20030122 (EN)**

Application  
**EP 02255053 A 20020718**

Priority  
JP 2001220200 A 20010719

Abstract (en)  
A flux-contained welding wire is provided wherein a conductive core wire (4) can be disposed without any complicate manufacturing steps performed on a metal outer layer (2). Flux (3) is filled inside of the metal outer layer (2). The conductive core wire (4) is disposed nearly in the center of the flux (3) without being supported by the metal outer layer (2). The flux contains 20-80 weight% of metal powder. A weight% of the weight of the flux to the weight of the welding wire per unit length is set in a range of 6.5-30 weight%. The weight% of the weight of the conductive core wire to the weight of the welding wire per unit length is set in a range of 1.5-15 weight%.

IPC 1-7  
**B23K 35/02**; **B23K 35/30**

IPC 8 full level  
**B23K 35/02** (2006.01); **B23K 35/04** (2006.01); **B23K 35/30** (2006.01)

CPC (source: EP US)  
**B23K 35/0266** (2013.01 - EP US); **B23K 35/3033** (2013.01 - EP US); **B23K 35/0272** (2013.01 - EP US)

Citation (search report)

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